

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 98/00287

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>6</sup>: C 12 P 17/16; A 61 K 31/40 // (C 12 P 17/16; C 12 R 1:43)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>6</sup>: C 12 P 17/16; A 61 K 31/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 266 028 A (NAKAMURA et al.) 05 May 1981 (05.05.81), abstract.	1
X	Patent Abstracts of Japan, Vol.5, No.41, 1981, JP 55-162 768 A (KIRIN BREWERY CO., LTD.) 18 March 1981 (18.03.81).	1
X	WO 97/30 029 A1 (PHARMACIA & UPJOHN S.P.A.) 21 August 1997 (21.08.97), abstract; page 2, lines 25-28.	2
X	Patent Abstracts of Japan, Vol.11, No.141, 1987, JP 61-280 429 A (CHUGAI PHARMACEUT CO., LTD.) 08 May 1987 (08.05.87).	2
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☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

### Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "Z" document member of the same patent family

Date of the actual completion of the international search

02 February 1999 (02.02.99)

Date of mailing of the international search report

15 February 1999 (15.02.99)

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In Recherchenbericht angeführtes Patentdokument Patent document cited in search report Document de brevet cité dans le rapport de recherche	Datum der Veröffentlichung Publication date Date de publication	Mitglied(er) der Patentfamilie Patent family member(s) Membre(s) de la famille de brevets	Datum der Veröffentlichung Publication date Date de publication
US A 4266028	05-05-81	keine - none - rien	
WO A1 9730029	21-08-97	AU A1 17197/97	02-09-97
		CA AA 2216465	21-08-97
		CN A 1181752	13-05-98
		EP A1 825983	04-03-98
		GB A0 9603212	17-04-96
		IL A0 121809	22-02-98
		NO A0 974749	14-10-97
		NO A 974749	12-12-97
		US A 5847127	06-12-98